



Research Institute of Geodesy and Cartography

“Ukraine experience in EuroGeographics”

*Andrii Cherin,
Research Institute of Geodesy and Cartography*

Amsterdam 14 September 2016

StateGeoCadastre – Ukraine's member of EuroGeographics since 2007

EGM
provide data

EBM
provide data

ERM
preparing
data

Minister of Regional
Development, Construction
and Housing of Ukraine

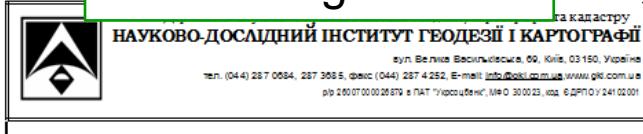


Ministry of Agrarian
Policy and Food of
Ukraine

Data producer

Research Institute of Geodesy and Cartography - data producer for EuroGeographics

License agreement



«02» вересня 2016 р. № 813

В. о. голови Державної служби України з питань геодезії, картографії та кадастру О. М. Цвях

На лист №

вул. В. Васильківська, 69, м. Київ, 03150

Щодо технічної наради Eurogeographics

Службова записка

Науково-дослідний інститут геодезії і картографії за дорученням Державної служби геодезії і картографії від 21.12.2011 р. за №1620/29/1-11 підписав Лицензійні Угоди (Licence Agreement) та бере участь у проектах Eurogeographics – Європейської асоціації національних картографо-геодезичних, кадастрових та земельно-реєстраторських служб:

EuroGlobalMap набір топографічних даних роздільною здатністю 1:1 000 000 (1:1 million scale topographic dataset covering 45 countries and territories in the European region).
<http://www.eurogeographics.org/products-and-services/euroglobalmap>

EuroBoundaryMap набір даних адміністративно-територіального устрою роздільною здатністю 1:100 000 (1:100 000 scale administrative and statistical regions dataset covering).
<http://www.eurogeographics.org/products-and-services/euroboundarymap>

EuroRegionalMap набір топографічних даних роздільною здатністю в масштабі 1:250 000 (1:250 000 scale topographic dataset covering 33 European states). <http://www.eurogeographics.org/products-and-services/euroregionalmap>

14-15 вересня 2016 року в Амстердамі (Office of Kadaster, Naritaweg 3, 1043 BP Amsterdam, The Netherlands), відбудеться технічна нарада виробників даних для проектів Eurogeographics: EuroRegionalMap, EuroBoundaryMap, European Location Framework.

Науково-дослідний інститут геодезії і картографії направляє для участі в цій технічній нараді заявку на відповідність геоінформаційних технологій НДІГК, кандидата технічних наук Черіна Андрія Геннадійовича.

Додаток: Попередня програма технічної наради на двох аркушах.

В.о. директора НДІГК

Трохан М. О. 5028064

Ю. О. Карпінський

Main Building

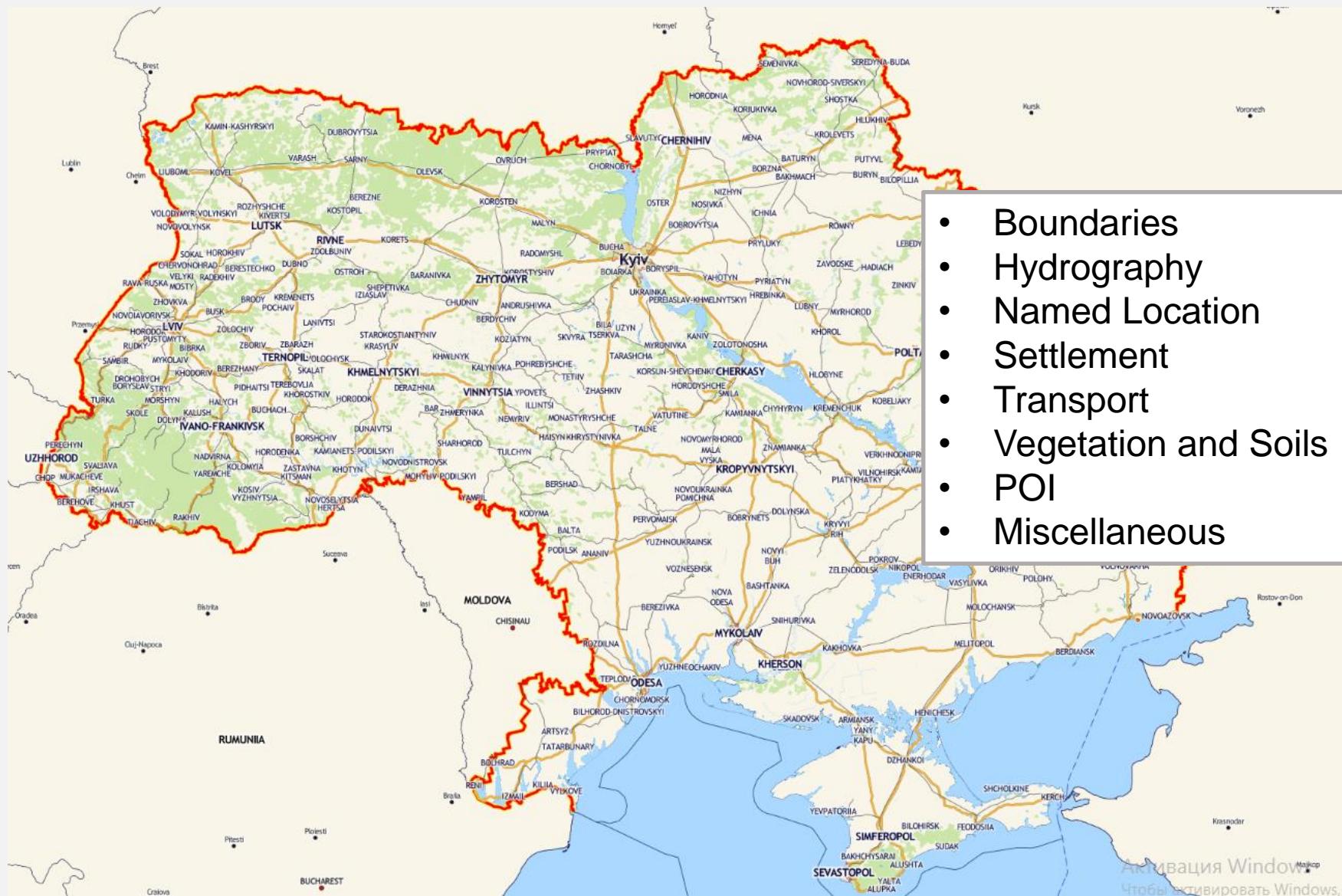


Director - Karpinskiy

- Department of GIS and Geoportal - Cherin Andrii
- Department of Digital Cartography
- Department of Geodesy

Data Source

Main Data Source – 1:100 00 geospatial data base



- Boundaries
 - Hydrography
 - Named Location
 - Settlement
 - Transport
 - Vegetation and Soils
 - POI
 - Miscellaneous

The database is relevant. The changes are made regularly, every day.

Decommunization

- change settlement names
- change NUTS Names
- change street names

Decentralization

- 4-lvl NUTS  3-lvl NUTS

thousands of changes made to the database for last year

Special areas



Geoportal of administrative-territorial system of Ukraine

atu.minregion.gov.ua/en/ustriy_page/44

Home page About portal Help Contacts **Attention! The portal is in beta-testing!** Search  Україна

Ministry of Regional Development, Construction and Housing and Communal Services of Ukraine
Ukraine State Service of Geodesy, Cartography and Cadastre

Directory Map Projected communities United communities Resolutions of the Verkhovna Rada of Ukraine Decisions of Oblast Rada

Autonomous Republic Avtonomna Respublika Krym
Vinnytska oblast
Volynska oblast
Dnipropetrovska oblast
Donetska oblast
Zhytomyrska oblast
Zakarpatska oblast
Zaporizka oblast
Ivano-Frankivska oblast
Khmelnytska oblast
Cherkaska oblast
Chernivetska oblast
Chernihivska oblast
city Kyiv
city Sevastopol

Zhytomyrska oblast

Zhytomyrska oblast

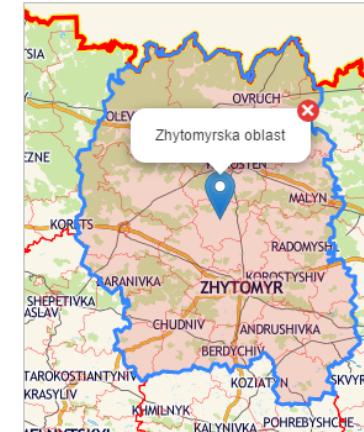
Information:

Name	Zhytomyrska oblast
KOATUU	180000000

Consist :

- Andrushivskyi rayon
- Baranivskyi rayon
- Berdychivskyi rayon
- Brusilivskyi rayon
- Yemilchynskyi rayon
- Zhytomyrskyi rayon
- Korostenkskyi rayon
- Korostyshivskyi rayon
- Luhynskyi rayon
- Liubarskyi rayon
- Malynskyi rayon
- Narodytskyi rayon
- Novohrad-Volynskyi rayon
- Ovrutskyi rayon
- Olevskyi rayon
- Popilnianskyi rayon
- Pulynskyi rayon
- Radomyslskyi rayon
- Romanivskyi rayon
- Ruzhynskyi rayon
- Khoroshivskyi rayon
- Cherniakhivskyi rayon
- Chudnivskyi rayon

Map



Administrative and territorial system:

Rayons: 23

City Council cities of rayon significance: 7

Settlement council: 35

Village council: 530

Projected territorial communities: 37

Current territorial communities: 10

Localities

Cities 12

Emblem



Активізація Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

Geoportal of administrative-territorial system of Ukraine

atu.minregion.gov.ua/en/karta#map=8/47.204642388766935/35.69458007812501&layer=8906587737484582-v:1|op:1/18894715282779406-v:1|op:1

ГЕОПОРТАЛ ОФ АДМІНІСТРАТИВНО-ТЕРРИТОРІАЛЬНОМУ СИСТЕМІ УКРАЇНИ

City, area , community ...

DIRECTORY

ATS Projected communities United communities

Dnipropetrovska oblast

Donetska oblast

Zhytomyrska oblast

Zakarpatska oblast

Zaporizka oblast

Berdianskyi rayon

Bilmatskyi rayon

Vasylivskyi rayon

Velykobilozerskyi rayon

Veselivskyi rayon

Vilnianskyi rayon

Huliaipilskyi rayon

Zaporizkyi rayon

Kam'iansko-Dniprovsyi rayon

Melitopolskyi rayon

Mykhailivskyi rayon

Novomykolaiivskyi rayon

Orikhivskyi rayon

Polohivskyi rayon

Priyazovskyi rayon

Prymorskyi rayon

Rozivskyi rayon

Tokmatskyi rayon

Chernihivskyi rayon

Yakymivskyi rayon

Berdianska city council cities of regional significance

Enerhodarska city council cities of regional significance

Zaporizka city council cities of regional significance

Melitopolska city council cities of regional significance

Information

Zaporizka oblast

Name: Zaporizka oblast

KOATUU: 2300000000

Date of creation: 10 січня 1939 року

Square (km²): 27180

Population (cnt.): 1 765 926 Data for 2015 year

The density of population (persons/km²): 65.9

Webpage: <http://www.zoda.gov.ua>

Symbolics:

Герб

Administrative and territorial system:

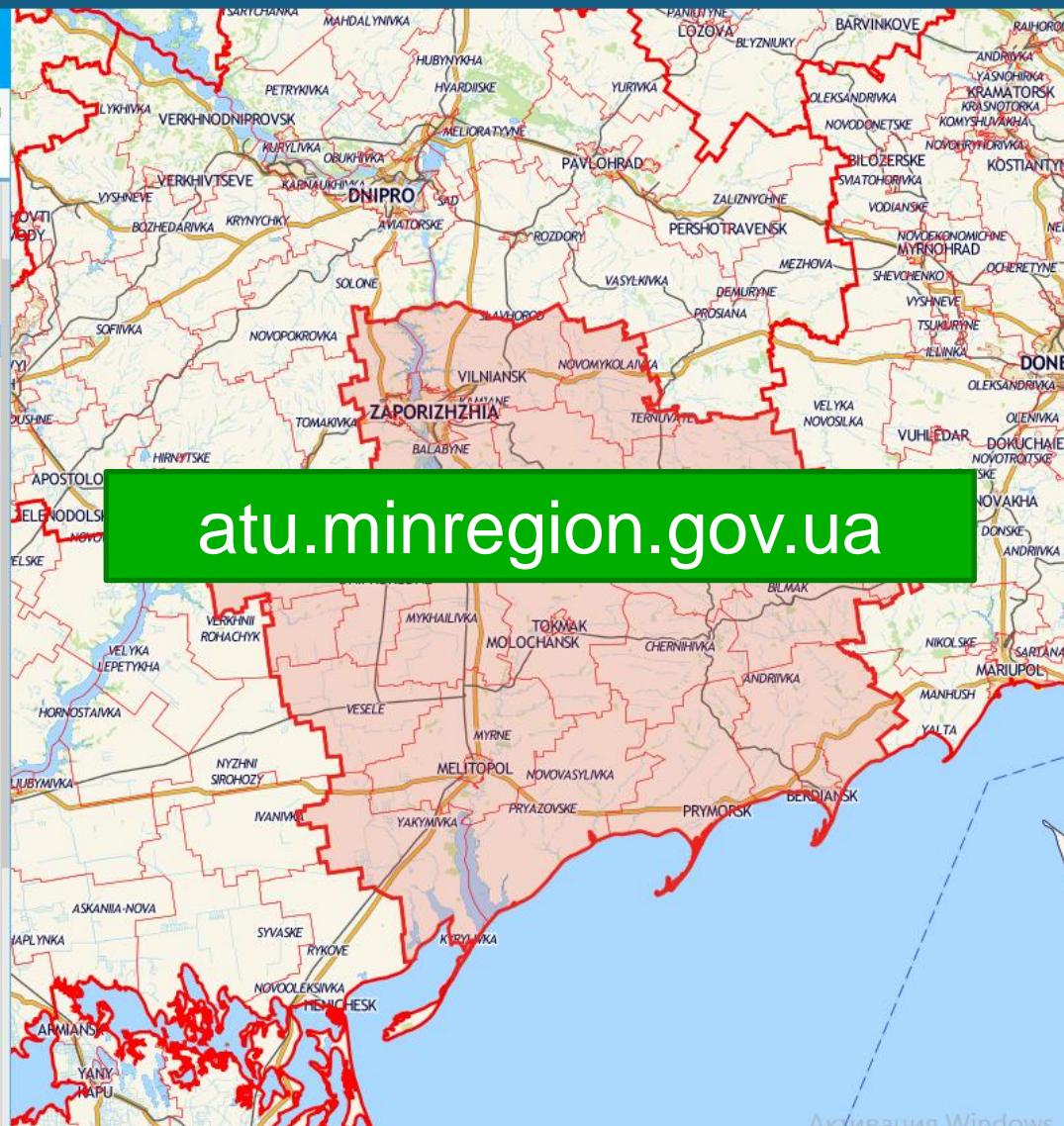
Rayons:	20
City Council cities of rayon significance:	9
Settlement council:	20
Village council:	24
Cities	4
Urban settlements:	22
Villages:	87
Hamlet:	0
Hamlet:	44

Consist [25]:

Projected communities [52]:

United communities [6]:

File community:



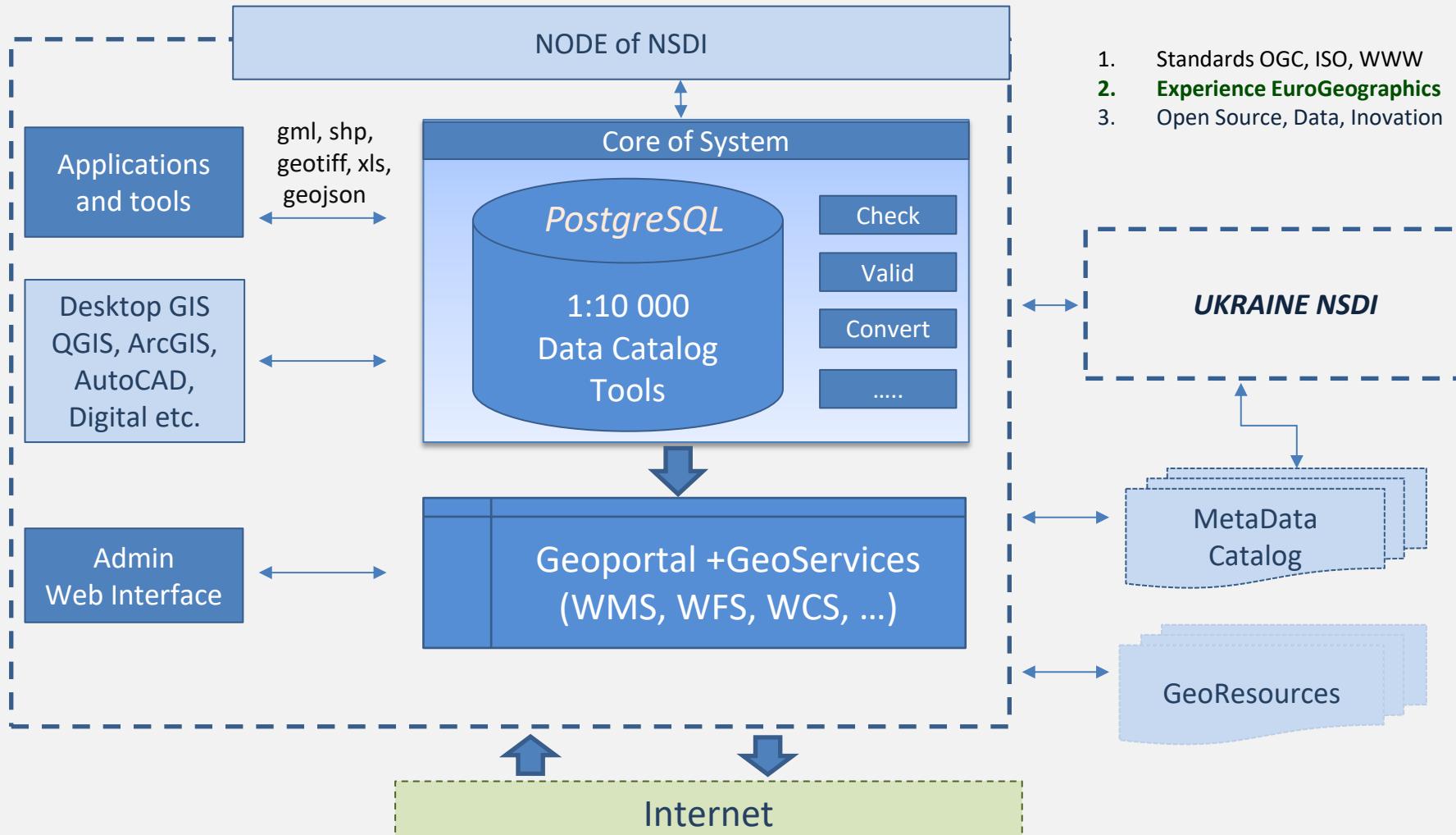
Активация Windows

ERM last state - summer 2014

Group	Layer	Named Location	Transport
Boundaries		Named Location	Railway
	Administrative Boundary		Railway Network Link
	Administrative Area		Interchange
Hydrography		Mine	Road
	Well	Disposal Site / Waste Pile	Road Network Link
	Coastline / Shoreline	Processing Plant / Treatment Plant	Control Tower
	Foreshore	Power Station	Level Crossing
	Island	Fortification	Road Intersection
	Water (except inland)	Amusement Park	Ferry Crossing
	Shoreline Construction	Race Track	Ferry Station
	Aqueduct	Stadium / Amphitheatre	Entrance / Exit
	Lake / Pond	Monument	Railway Station
	Reservoir	Ruins	Vehicle Stopping Area / Rest Area
	Spring / Water Hole	Building	Port
	Waterfall	Tower (non-communication)	Pier / Wharf / Quay
	Inland Shoreline	Pipeline / Pipe	Airport / Airfield
	Watercourse	Pumping Station	Heliport
	Hydrographic Network Node	Power Transmission Line	Runway
	Dam / Weir	Communication Tower	
	Lock	Bluff/Cliff/Escarpment	Vegetation and Soils
	Glacier	Cave	Ground Surface Element
	Snow Field / Ice Field	Embankment / Fill	Agricultural area
	Wetland	National Park	Plantation
	Sea Limit	Nature Reserve	Woods/Forest
	Landmask Area		Points of Interest
		Built-up Area	POI
		Populated Place	Education Service
		Named Location	Hospital Service
			Emergency Medical Service
			Disposal Site / Waste Pile
			Power Generation

Yellow – exists, Red – not exists, White – low quality data (not included in archive). Ukraine ERM. 15/07/2014

Service-oriented architecture with data base on PostgreSQL



Using experience

- Catalog objects and attributes
- Generalization approach
- Methods data check and validation
- Paper templates



NSDI UKRAINE

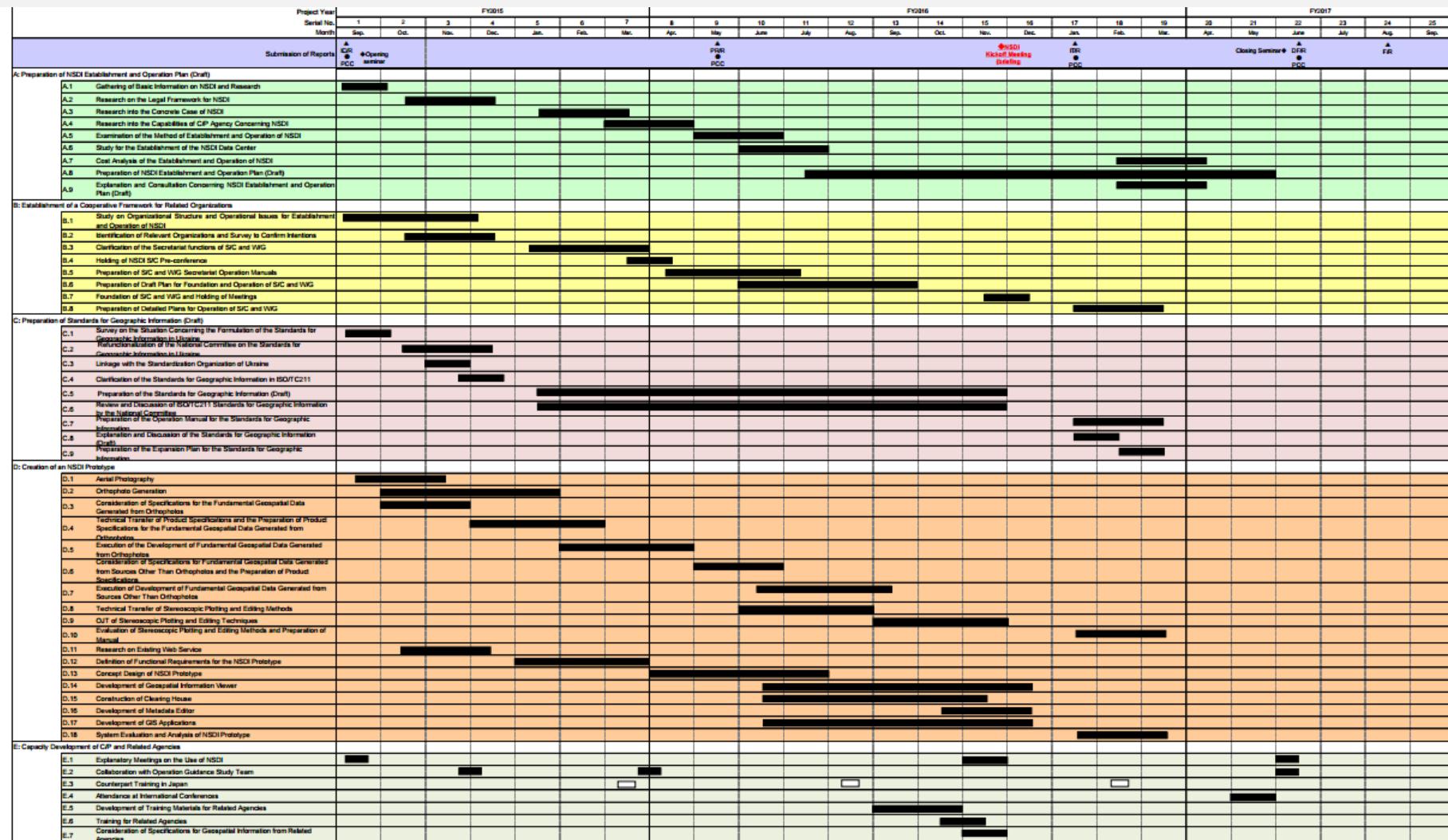
- Preparation of NSDI Establishment and Operation Plan
- Establishment of a Cooperative Framework for Related Organizations
- **Preparation of Standards for Geographic Information**
- **Creation of an NSDI Prototype**
- Capacity Development of C/P and Related Agencies



Other project in GIS

Urban Cadastre, Thematic Cadastre, etc.

NSDI in Ukraine Plan





Research Institute of
Geodesy and Cartography

*Thank you for
attention!*

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Web Server: //www.gki.com.ua*